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New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface® 649

Catalog Number: S9159S
Lot Number: 10018152
Expiration Date: 07/2021
Storage Temperature: -20°C

Specification Version: PS-S9159S v2.0

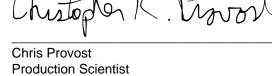
SNAP-Surface® 649 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9159SVIAL	SNAP-Surface® 649	10017107	Pass

Assay Name/Specification	Lot # 10018152
Cellular Protein Labeling (Cell Surface) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 5 μM SNAP-Surface® 649 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.	Pass
Cellular Protein Labeling (Intracellular) Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 μM SNAP-Surface® 649 for 1 hour and visualized by fluorescence microscopy resulting in no intracellular labeling.	Pass
Identity (Mass Spectrometry) The observed molecular mass of SNAP-Surface® 649 is 1154.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass
In Vitro Protein Labeling A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag® Purified Protein and a minimum of 10 µM of SNAP-Surface® 649 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
Physical Purity (HPLC) SNAP-Surface® 649 is ≥ 90% pure as determined by HPLC analysis.	Pass

This product has been tested and shown to be in compliance with all specifications.



S9159S / Lot: 10018152



07 Aug 2018

Michael Tonello

Packaging Quality Control Inspector

09 Aug 2018